

WHAT IS CLAIMED IS:

~~1.~~ A communication service information providing method comprising the steps of:

receiving a call used to select one of plural communication services, which is transmitted from a calling subscriber to a called subscriber that subscribes the plurality of communication services; and

providing information related to another communication service subscribed to by the called subscriber with respect to the calling subscriber.

~~2.~~ A communication service information providing method comprising the steps of:

receiving a call used to select one of plural communication services, which is transmitted from a calling subscriber to a called subscriber that subscribes the plurality of communication services;

providing information related to another communication service subscribed to by the called subscriber with respect to the calling subscriber; and

when the calling subscriber selects one of other communication services from the provided information, trying to connect to the called subscriber by way of the selected another communication service.

~~3.~~ A communication service information providing method comprising the steps of:

receiving a call issued from a calling subscriber that selects a voice communication to a called subscriber, while utilizing a

communication terminal equipped with a display unit;

acquiring communication identification information from a database related to the called subscriber in a switching apparatus which accepts the call, the communication identification information being any one of a telephone number, an electronic mail address, and a facsimile number of communication services which are subscribed to by the called subscriber; and

displaying the acquired communication identification information on the display unit of the communication terminal owned by the calling subscriber under a selectable condition.

4. A communication service information providing method comprising the steps of:

storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of information representation media, and identification information capable of selectively utilizing the communication services so as to establish a communication; and

notifying both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service to a calling terminal in response to a request issued from the calling terminal.

5. A communication service information providing method comprising the steps of:

storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of

information representation media, and identification information capable of selectively utilizing the communication services so as to establish a communication; and

notifying both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service to a calling terminal when the calling terminal encounters with a communication non-connectable state.

6. A communication service information providing method as claimed in claim 4, further comprising the step of:

notifying to the calling terminal, both the communication service and the identification information corresponding to the communication service, in the form of an allowable mode which is previously registered by the subscriber to which wants to establish the communication.

7. A communication service information providing method as claimed in claim 4, further comprising the step of:

notifying to the calling terminal, both the communication service and the identification information corresponding to the communication service subscribed to by the subscriber that wants to establish the communication by way of the information representation media requested by the calling terminal.

8. A communication service information providing method as claimed in claim 4, further comprising the step of:

notifying to the calling terminal, both the communication service and the identification information corresponding to the

communication service subscribed to by the subscriber that wants to establish the communication by way of the information representation media which is used to issue the call by the calling terminal.

9. A communication service information providing method as claimed in claim 4, further comprising the step of:

changing both the communication service and the identification information corresponding to the communication service, in the form of an allowable mode which is previously registered by the subscriber to which wants to establish the communication, in accordance with the calling terminal, and for notifying the changed communication service and the changed identification information.

10. A communication service providing method as claimed in claim 5, further comprising the step of:

notifying an occurrence of a call reception to the subscriber that wants to establish the communication, and for notifying to the calling terminal, a substitution of both the communication service and the identification information corresponding to the communication service in accordance with a content of a response.

11. A communication service information providing method as claimed in claim 10, further comprising the step of:

changing the selected communication service to the substitution of both the communication service and the identification information corresponding to the communication service, after agreeing by the subscriber that wants to establish the communication.

12. A communication service information providing method

comprising the steps of:

storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of information representation media, and identification information by which the communication services can be selectively used to establish a communication; and

selecting both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service, to which a calling terminal is communication-connectable in response to the communication condition of the information representation media, and for notifying the selected communication service and the selected identification information to the calling terminal.

13. A communication service information providing method as claimed in claim 4, further comprising the step of:

notifying the identification information which is temporarily allocated to the calling terminal.

14. A communication service information providing method as claimed in claim 4, further comprising the step of:

selectively notifying one of the identification information which is temporarily allocated, and the identification information under normal condition in response to the calling terminal.

15. A communication network comprising:

reception means for receiving a call used to select one of plural communication services from a calling terminal with respect

to a subscriber of a communication counter party that wants to establish a communication and subscribes the plurality of communication services; and

providing means for providing information related to another communication service subscribed to by the subscriber of the communication counter party that wants to establish the communication with respect to the calling terminal.

16. A communication network comprising:

reception means for receiving a call used to select one of plural communication services from a calling terminal with respect to a subscriber of a communication counter party that wants to establish a communication and subscribes the plurality of communication services;

providing means for providing information related to another communication service subscribed to by the subscriber of the communication counter party that wants to establish the communication with respect to the calling terminal; and

connection means in which when the calling terminal selects one of other communication services from the provided information, the connection means tries to connect with the subscriber of the communication counter party that wants to establish the communication by using the selected another communication service.

17. A communication network comprising:

reception means for receiving a call issued to a subscriber of a communication counter party that wants to establish a communication from a communication terminal which equipped with

a display unit and selected a voice communication; acquisition means for acquiring communication identification information in a switching apparatus which accepts the call from a database related to the subscriber of the communication-desired counter party, the communication identification information being any one of a telephone number, an electronic mail address, and a facsimile number, which correspond to the subscriber of the communication-desired counter party; and

display process means for displaying the acquired communication identification information on the display unit of the communication terminal under a selectable condition.

18. A communication network comprising:

storage means for storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of information representation media, and identification information capable of selectively utilizing the communication services so as to establish a communication; and

notification means for notifying both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service to a calling terminal in response to a request issued from the calling terminal.

19. A communication network comprising:

storage means for storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of information representation media, and identification

information capable of selectively utilizing the communication services so as to establish a communication; and

notification means for notifying both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service to a calling terminal when the calling terminal encounters with a communication non-connectable state.

20. A communication network comprising:

storage means for storing both a plurality of communication services which are subscribed to by a subscriber and are made of plural sorts of information representation media, and identification information by which the communication services can be selectively used to establish a communication; and

notification means for selecting both the communication service subscribed to by a subscriber that wants to establish a communication, and the identification information corresponding to the communication service, to which a calling terminal is communication-connectable in response to the communication condition of the information representation media, and for notifying the selected communication service and the selected identification information to the calling terminal.